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WPI Acc No: 94-235622/199429

XRPX Acc No: N94-186332

Microprocessor based access control system for use with road vehicles - has bidirectional transfer of data via mobile phone link to reserve vehicle with control of access based upon identification card and entered number

Patent Assignee: LATSCH U (LATS-U)

Inventor: LATSCH U

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Main IPC | Week |
|------------|------|----------|-------------|------|----------|-------------|----------|
| DE 4301039 | A1 | 19940721 | DE 4301039 | A | 19930116 | G06F-015/22 | 199429 B |
| DE 4301039 | C2 | 19950814 | DE 4301039 | A | 19930118 | G06F-017/60 | 199528 |

Priority Applications (No Type Date): DE 4301039 A 19930116

Patent Details:

| Patent | Kind | Lan | Pg | Filing Notes | Application | Patent |
|------------|------|-----|----|--------------|-------------|--------|
| DE 4301039 | A1 | | 7 | | | |
| DE 4301039 | C2 | | 7 | | | |

Abstract (Basic): DE 4301039 A

A vehicle may be reserved by telephoning a central station (1) that has a management computer (2). Communication may be made via a telephone network to a fixed station having a radio telephone (7). The vehicle (8) has a microprocessor (20) to which is coupled a mobile telephone (12). Other inputs are provided by the vehicle tachometer (16), card reader (15), keyboard (19) and infrared interface (17). Access to the vehicle requires that a user chip card (23) is entered into the infrared hand-held unit (22). An identification number has to be entered through the keyboard.

USE/ADVANTAGE - Cost effective and manipulation protected car access system.

Dwg. 1/3

Abstract (Equivalent): DE 4301039 C

The equipment includes units for transmitting bi-directionally data and speech, concerning reservations and journeys, between a central station or a vehicle by radio telephone methods. The mobile part of the radio telephone (12) installed in the vehicle includes a modem (13) and a processor-controlled selector (14) and a relay switch, while at the central station there is a commercial modem (3).

There is a cryptographically protected access control through bi-directional infrared communication between a multi-functional microprocessor chip card (23) in the infrared hand unit (22) and an infrared interface (17) in the vehicle system. This opens the central locking (10) of the vehicle when authentication is complete. Other features are also explained.

USE/ADVANTAGE - Suitable for communally used motor vehicles or in 'car sharing'. Able to manage economically and effectively communal vehicles.

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Title Terms: MICROPROCESSOR; BASED; ACCESS; CONTROL; SYSTEM; ROAD; VEHICLE;

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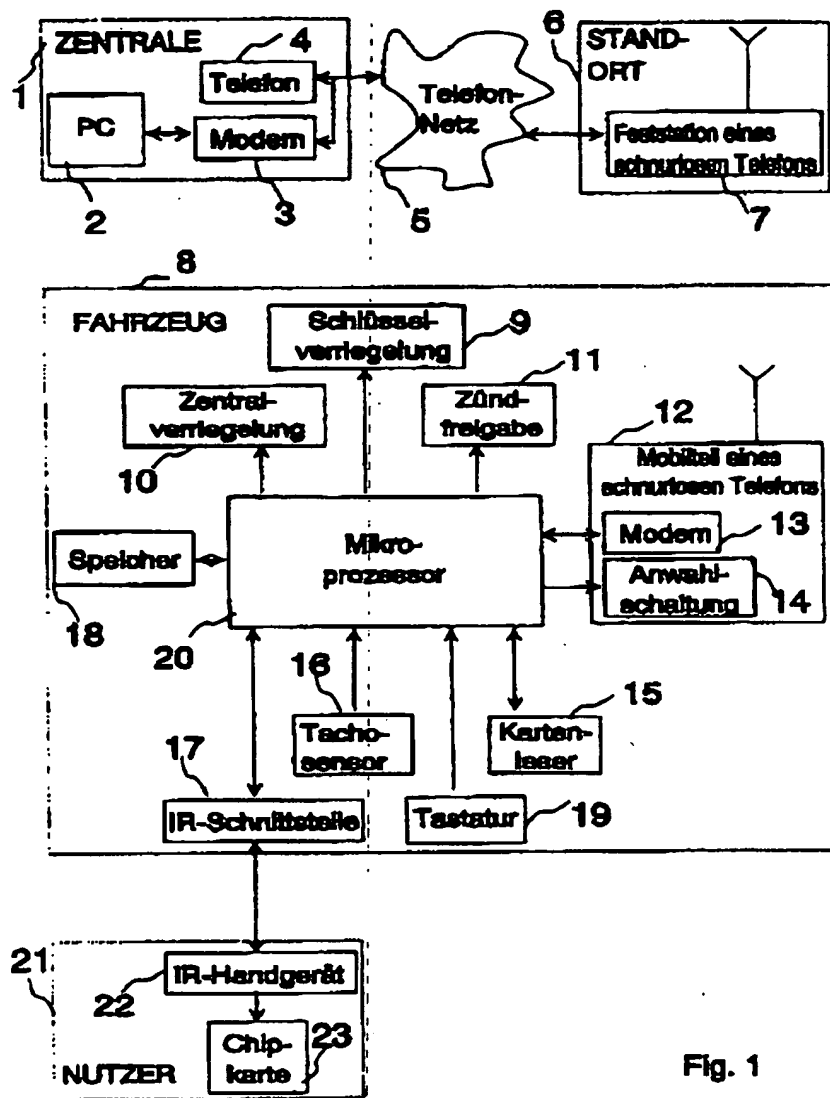


Fig. 1

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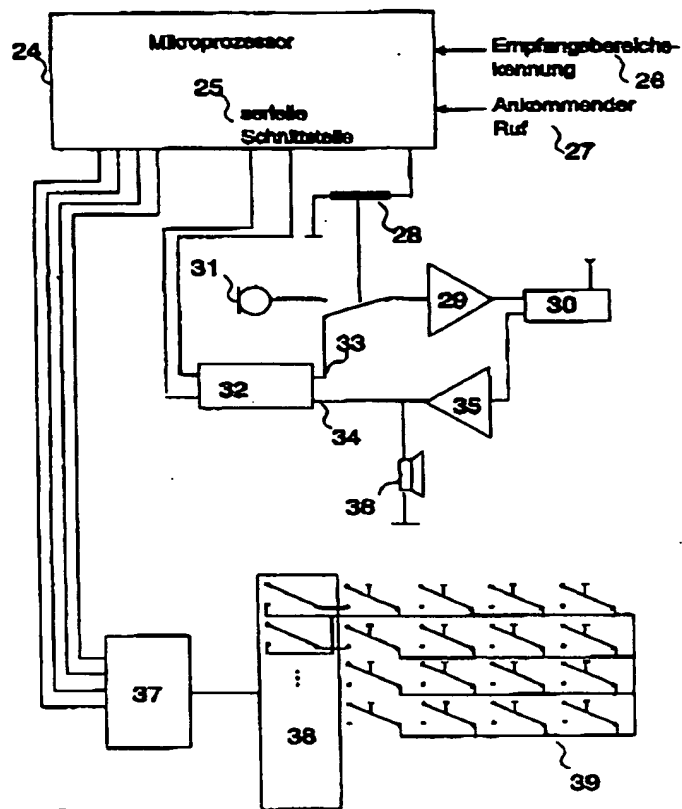


Fig. 2

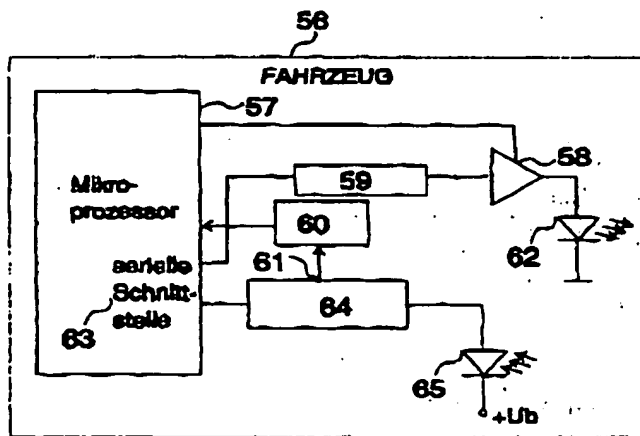
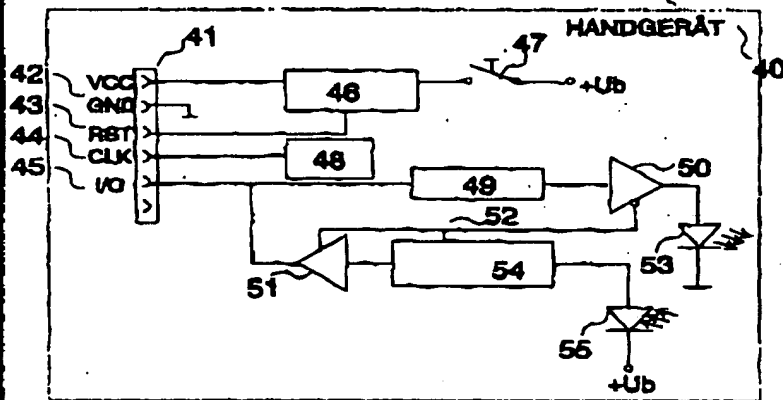


Fig. 3

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